



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

www.mits.ac.in

## Institute Sponsored

### A Five-Days Faculty

### Development Program (FDP)

on

### Microwave Passive circuits:

### Design, Fabrication and

### Measurements

### (MPCDFM-2023)



Jan 17<sup>th</sup> – 21<sup>th</sup> Jan 2023



## Address for Communication

Dr. Rakesh Nath Tiwari

drrakeshnath@mits.ac.in, 9650705579

## About MPCDFM-2023

It gives an opportunity for participants from academic institution, industry professionals and researchers to discuss and develop an understanding of various issues arising due to tremendous growth in proposed areas. This workshop will include invited talks by eminent speakers from academics and Industry followed by design, fabrication and measurement of RF passive circuits like microstrip antennas, filters, power dividers, couplers etc. Furthermore, individual participants will be benefitted with exposure of Ansys HFSS and TaraNG (EM simulation tools) session followed by fabrication and measurement on Vector Network Analyser.

### Who can Apply?

- UG and PG Students/ Research Scholars
- Faculty Members/ Academician from AICTE approved institutions
- Industrial Professionals/ Delegates etc.

### Selection Criteria

Selection will be done based on first-cum-first-serve basis and the selected candidates will be notified immediately.

### Registration Process

### Scan Me for Registration

Kindly Register by using the below provided link

<https://forms.gle/M765NhwLji2LX6T8A>



### Mode of Conduct

- Through online mode using Microsoft Team
- Link to join the sessions will be send to the participants through their registered Email/WhatsApp number

### Chief Patron

Dr. N. Vijaya Bhaskar Choudary, Ph. D  
Secretary & Correspondent

### Patron

Ms. Keerthi Nadella  
Executive Director

### Convener

Dr. C Yuvraj  
Principal

### Chief Coordinator

Dr. S Rajasekhran, Professor and Head

### Organizing Chairs

Dr. Satrugan Kumar  
Professor

Dr. Chandramauleshwar Roy

Associate Professor

### Coordinators

Dr. Soumya Ranjan Mahapatro

Associate Professor

Mr. Bikash Ranjan Behera

Assistant Professor

Dr. Debashish Pal

Assistant Professor

### Co-Coordinator

Dr. Rakesh Nath Tiwari

Assistant Professor

Madanapalle Institute of Technology and Science (MITS) is an autonomous institution that was established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 30-acre campus. It has a resort-like atmosphere, which is refreshing and exhilarating at the same time. The UG courses such as ME, CSE, EEE and ECE are accredited by National Board of Accreditation (NBA). The college is awarded ISO 9001:2015 certification for the quality policies it is implementing. The campus comprises aesthetically designed buildings that are networked by Wi-Fi technology. This institution is established with modern workshops and labs, computer and internet facilities, seminar halls, a well-equipped library and sports facilities that provide an excellent learning environment for the students. MITS offers UG, PG & PhD courses in Mechanical, Civil, Electrical & Electronics, Electronics & Communications, Computer Science Engineering, MBA and MCA

## Payment Details

Pay Online- NEFT/RTGS or IMPS in our below given Account. While making online payment, Participants are further requested to mention their transaction ID in the registration form to enable us to trace your payment in the Bank Statement. Also, kindly note to add the applicable bank charges, if any, for online payment.

## Registration fee

Participant have to pay registration fee of 200. Registration fee includes access to all the technical and hand-on sessions as well as participation certificate

### Bank account details :

Account Name	: Madanapalle Institute of Technology and Science
Account Number	: 50200004213888
Name of the Bank	: HDFC Bank Ltd.
IFS Code	: HDFC0002435
Branch Name	: CTM Road, Madanapalle-517325

 No Cheque/ DD/ Cash payments are accepted.

The Department of Electronics & Communication Engineering started functioning from the academic year 1998 for B. Tech course. The department has distinguished faculty, most of them holding Ph.D. degrees from eminent universities. The Department obtained UGC-Autonomous Status in the year 2014 and is running the program successfully meeting all the requirements. The B.Tech Program under Department of Electronics & Communication Engineering was accredited by the NBA of All India Council for Technical Education (AICTE). The mission of the Department is to enable the students to innovate and excel as eminent academicians, technocrats and entrepreneurs.

## Resource Persons

**Dr. Sandeep Chaturvedi**

Gallium Aresinde Enabling Technology  
DRDO, Hyderabad

**Dr. Raghvendra Kumar Chaudhary**

IIT Kanpur

**Dr. Sanjeev Kumar Mishra**

IIIT Bhubaneswar

**Dr. Sounik Kiran Dash**

NUS, Singapore

**Dr. Hemant Kumar**

NIT Tiruchirappalli

**Dr. Pragati Patel**

NIT Goa

**Mr. Swapnil Gaul**

Founder, NUMEREGION

**Mr. Siddhartha Panigrahi**

National Taiwan University, Taiwan

Certificate will be issued to only those participants having minimum of 80% attendance in the FDP with 60% marks in the Test

Feedback link of the FDP will be given at the end of the program. All the participants must submit the online feedback to avail the participation certificate.

## HIGHLIGHTS OF THE FDP

- Introduction to Electromagnetics Theory
- Microwave Components and Devices
- Introduction to Printed Antennas
- Expert Talk by Academicians from IITs, NITs, and Various Introductory Lectures by Industry Experts on Simulation and Measurement
- Talks and Demonstrations on basic RF Components Related to Antennas, Filters, Couplers and Power Divider etc.
- Design and Simulation of
  - Microstrip RF Filter Circuits
  - Microstrip Patch Antenna
  - Other Microwave Passive Circuits
- Fabrication of Simulated Designs Measurement of Fabricated Designs



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Madanapalle-517325, Annamayya Dist., Andhra Pradesh